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From: LCARPENTER  
To: MODIS.DATA.TEAM  
Subj: MODIS SDST Minutes 10/11/91

## MODIS Science Data Support Team (SDST) Meeting Minutes 10/11/91

ATTENDEES:    Lloyd Carpenter    RDC      982-3708  
                 Al Fleig            900      286-7747  
                 Tom Goff          RDC      982-3704  
                 Liam Gumley        RDC      982-3748  
                 Ravi Kumar        STX      513-1630  
                 Ed Masuoka        920      286-7608  
                 Jim Ormsby        974      286-6811  
                 Wil Webster        920.2    286-4506

NEXT MEETING:	Date	Time	Building	Room
	Friday, October 18	10:00 am	16	242

### TOPICS:

1. MODIS AIRBORNE SIMULATOR (MAS): The MAS Level-1B software is in the testing stage. The output NetCDF data files will correspond to straight-line flight tracks. An MAS data catalog containing all of the pertinent information for each file will be generated. Quantifiers will be included for convenience to the users. In-the-field support for the FIRE experiment by Liam Gumley will be coordinated with Mike King. Work is continuing on the implementation of NetCDF for the MAS Level-1B data.

2. MODIS IMAGE REGISTRATION: The topic of MODIS image registration was discussed at length. A comparison of different approaches must be made, identifying the advantages and weaknesses of each. The problem cases must be characterized. (e.g. At what level of cloud cover does it break down?) Is the code available, who owns it, and how much will it cost? What are the processing implications? Determine the probability of successful image registration for MODIS.

3. MODIS SDST WORKPLAN: A draft version of the MODIS Science Data Support Team workplan was included in the handout. The topics covered included the plans for the TLCF, algorithm development plan, porting algorithms to the TLCF, support for the MAS, data product structure/format, image registration, processing design issues, implications of digital elevation and terrain models, and the MODIS Data Management Plan.

#### ACTION ITEMS:

08/30/91 [Lloyd Carpenter and Team]: Draft a schedule of work for the next 12 months. Include primary events and milestones, documents to be produced, software development, MAS support, etc. (A draft was included in the handout.) STATUS: Open. Due date 09/27/91.

10/04/91 [Phil Ardanuy and Team]: Prepare questions for the project to characterize the spacecraft position and attitude knowledge and the MODIS pointing knowledge in a way that will facilitate the evaluation of methods such as image registration to meet the science team requirements for earth location. (Initial contributions were sent by GSFCMAIL.) STATUS: Open. Due date 10/18/91.

10/04/91 [Tom Goff]: Examine and describe the Miami DSP navigation scheme in relation to MODIS navigation. Status: Open. Due date 11/15/91.

10/04/91 [Tom Goff]: Contact Angel Lee (currently at GSFC) to ask questions regarding the DSP. Status: Open. Due date 10/18/91.